



# Making Zero Incidents A Reality

**Overview for the Safety and Health  
Managers Meeting, February 27, 2007**

Ron DiLustro

Facilities Engineering & Real Property Division

# Typical Construction Day

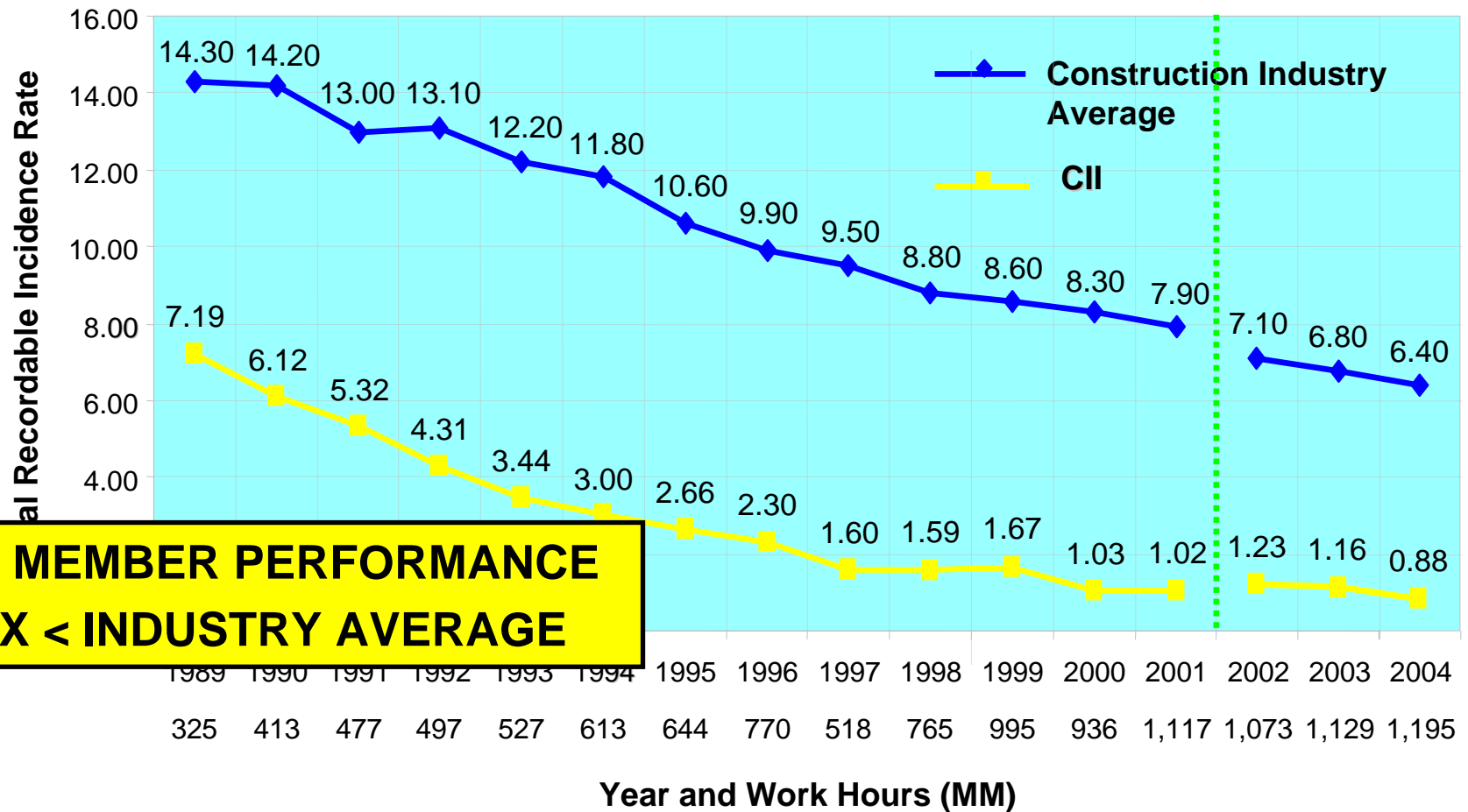
**Somewhere among 131 million American workers:**

- **23 killed** by traumatic **injuries**
- **23,011** reported **injuries**
- **Each Work Day**
- **Impact to the U.S. Economy**
  - » **-\$200 Billion**
- **Construction:**
  - » 5.2% of industrial workforce
  - » Over 22% of the fatalities (1,278)
  - » 4 of the Top 10 Most Dangerous Jobs





# CII PERFORMANCE



OSHA Construction Division, SIC 15-17

Reflects OSHA Reporting Change



# RESEARCH BASED PROGRAM

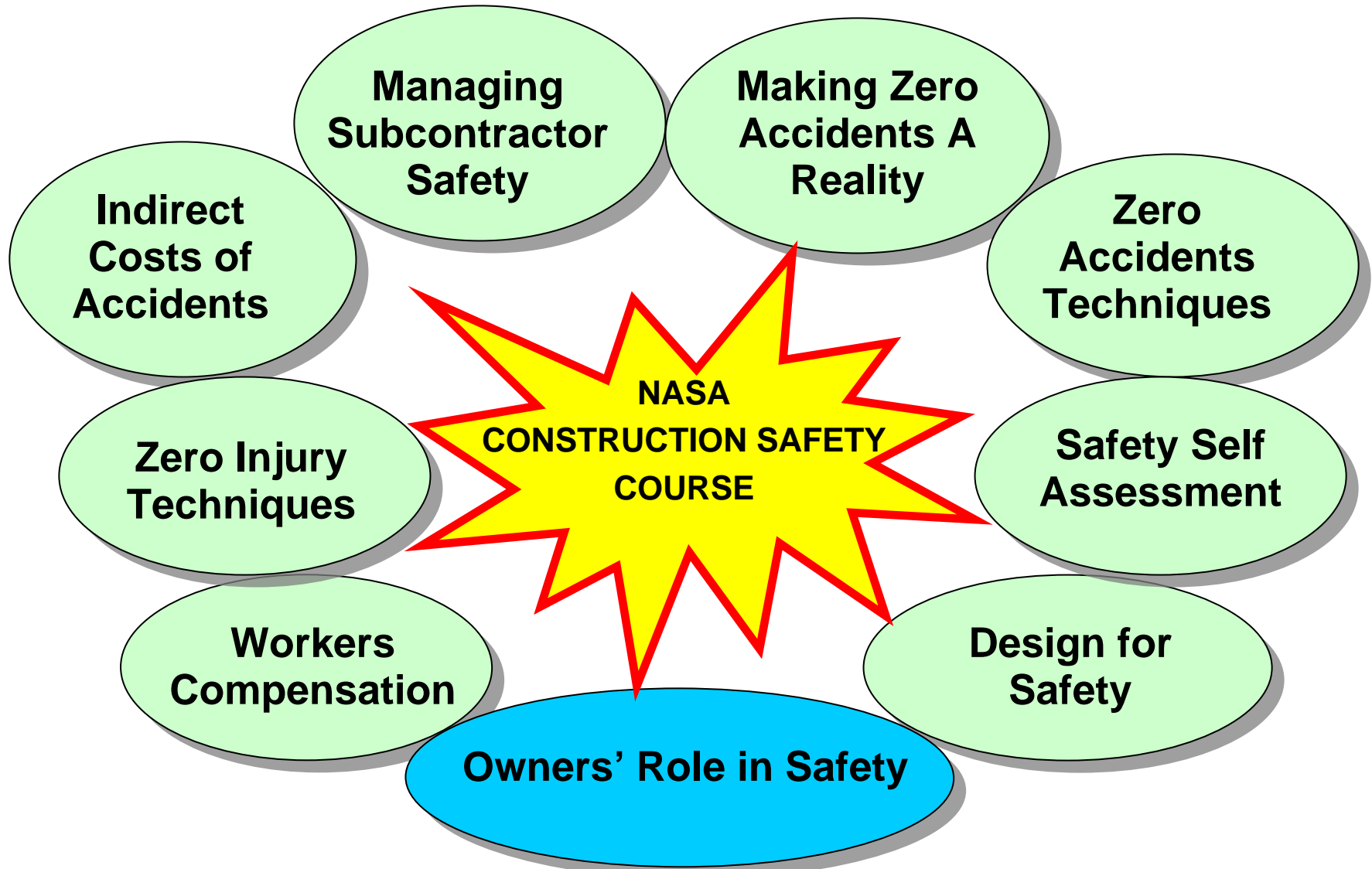
- CII research
- NIOSH research on owner influence on project Safety & Health
- 30 Significant findings relating RIR to:
  - » Project characteristics - 8
  - » Selection of safe contractors - 5
  - » Contract Safety & Health requirements - 4
  - » Owner's involvement in Safety & Health management during project execution – 13

Source: CII Research Summary 190-1,  
*The Owners' Role in Construction Safety*

# NASA Program Content

- **9 topic areas presented in 11 modules**
- **2 Day course to complete all modules**
- **NASA program approach**
  - **Present CII data along with relevant NASA examples, case studies & class participation**
  - **Practical application and tools**

# NASA Safety Course Topics





# NASA Program Status

**CII has done the “heavy lifting”**

**12 Research Teams**

**Education module**

**NASA adapted & leveraged CII material**

**Expedited development**

**Presented in NASA context**

**Program Pilot in September 2006**

**Program materials are complete**



# Program Implementation

## **Course development model**

**Developed in-house  
NASA instructors  
ECIC stewardship**

## **Presentation method**

**NASA employee instructors**

## **Aggressive roll out at Field Centers**

**Instruction Completion - June 07**





# Program Implementation

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## **Center Commitment**

**2 Champions (Primary and Alternate)**

**POC/ Facilitator for the course and resultant  
Construction Safety Initiatives**

**Assist in training and implementation as needed**

# BOTTOM LINE

**NOTICE**

**IF YOU'RE NOT**

**CONFRONTING AT-RISK**  
**BEHAVIOR...**

**YOU'RE REINFORCING IT.**

# BACKGROUND

- **Original Education Module “Making Zero Incidents a Reality” developed by CII, first quarter 2006**
- **CII Module adapted and enhanced by NASA family: Civil Servants and Contractors from HQ and Centers, FERP, ECIC, Health, Safety, Procurement, especially JSC and the dedication of Mr. Jay Hoover**
- **JSC Rollout/Beta Tested, July & Aug 2006**
- **NASA Pilot Course conducted at JSC with NASA-wide representation, September 2006**



## BACKGROUND Con't.

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- **NASA Safety Best Practice Module, “Making Zero Incidents a Reality” completed and distributed to the Centers, December 2006**



# CENTER CHAMPIONS

<u>Center</u>	<u>Name</u>		<u>Rollout Date</u>
ARC	Cassic, Monty A.	Champion	4-30-07
	Smith, Clarence C.	Alternate	
DFRC	Logan, Donald M.	Champion	3-05-07 & June 07
	Noffsinger, Wil	Alt	
GRC	Woodling, Mark A.	Champion	April 07
	Danks, Richard A.	Alt	
GSFC	Schimelfenyg, Paul	Champion	4-02-07
	Daly, Mark M.	Alt	
JPL	Develle, Robert E.	Champion	3-19-07
	Antoine, Tamlin C.	Alt	
JSC	Wessels, Gary	Champion	July/Aug 06
	Leal, Sergio	Alt	



# CENTER CHAMPIONS

<u>Center</u>	<u>Name</u>		<u>Rollout Date</u>
<b>KSC</b>	<b>Milbert, Michael</b>	<b>Champion</b>	<b>6-11-07</b>
	<b>Tweed, Daniel L.</b>	<b>Alt</b>	
<b>LaRC</b>	<b>Schroeder, Kim F.</b>	<b>Champion</b>	<b>7-9-07</b>
	<b>Mouring, Chris A.</b>	<b>Alt</b>	
<b>MAF</b>	<b>Graham, Ernest M.</b>	<b>Champion</b>	<b>June 07 Tentative</b>
	<b>Turner, Stephen A.</b>	<b>Alt</b>	
<b>MSFC</b>	<b>Hill, Jimmy L.</b>	<b>Champion</b>	<b>July 07 Tentative</b>
	<b>Hyder, Mark E.</b>	<b>Alt</b>	
<b>SSC</b>	<b>Volante, Kenneth E.</b>	<b>Champion</b>	<b>4-23-07</b>
	<b>Canady, Randall R.</b>	<b>Alt</b>	
<b>WFF</b>	<b>Wall, Jerry T.</b>	<b>Champion</b>	<b>6-25-07</b>
	<b>Bull, Paul C.</b>	<b>Alt</b>	
<b>WSTF</b>	<b>Wolf, Christopher W.</b>	<b>Champion</b>	<b>8-13-07</b>
	<b>Noble, Jason E.</b>	<b>Alt</b>	



# Facility Engineering and Real Property Division Information

## **Institutional CoF Budget Runout (Today?)**

**Includes FP&D, Minor, Discrete, and Demo**

<b>FY 07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
<b>\$160.4M</b>	<b>243.2M</b>	<b>186.8M</b>	<b>195.2M</b>	<b>204M</b>	<b>214M</b>

## **CoF Prioritization Review Process begins 2-27-07**

**All Safety and Health deficiencies/requirements should  
be included in NASA Form 1509**

## **FY06 Deferred Maintenance Assessment**

**Agency DM increased from \$1.85B to \$2.05B**

**Active Facilities decreased from \$1.4B to \$1.18B**



# Facility Engineering and Real Property Division Information

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**\$14M Set aside for Centers for Central Utility Systems  
and/or Roof Repairs planned for FY 09**